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Docket No. 236664US2RE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 2 1 2004

IN RE APPLICATION OF: Nobuo ISHII, et al/

SERIAL NUMBER: 10/625,669

FILING DATE:

July 24, 2003

FOR:

PLASMA PROCESSING APPARANTS

FILING OF DECLARATION UNDER 37 CFR 1.53(f)

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Responsive to the notification dated March 22, 2004, and in accordance with the provisions of 37 CFR 1.175, Applicants submit herewith a Reissue Declaration. The required fee is attached herewith.

The Declaration enclosed herewith contains the following information:

Name(s) of Inventor(s)

Title of Invention

Attorney Docket Number

Filing Date

thereby adequately identifying the above-identified application in accordance with 37 CFR 1.175, as set forth in MPEP Section 1414.

In light of the foregoing, this application is deemed to be in proper condition for examination and such favorable action is earnestly solicited.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTN: APPLICATION BRANCH

Gregory J. Maier

Registration No. 25,599

Customer Number

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03)

I:\ATTY\MM\KONGKHAM\236664.SUBMISSION OF REISSUE DECL..DOC

Michael E. Monaco

Registration No. 52,041



MAY				
6/	REISSUE APPLICATI			Docket Number
DECLARATION BY THE INVENTOR			236664US2RE	
As a below named My residence, post I believe I am the	inventor, I hereby declare that: office address and citizenship ar original, first and sole inventor names are listed below) of the	(if only on	e name is listed b	me. pelow) or an original first and joint scribed and claimed in the below
Patent Number			Date Patent Issued	
6,265,031			7-24-2001	
Title of Invention	·			
METHOD FOR PLA	ASMA PROCESSING BY SHAPI	NG AN IND	OUCED ELECTRIC	FIELD
for which a reissue	patent is sought on the invention	entitled:		
METHOD FOR PLA	ASMA PROCESSING BY SHAPI	NG AN IND	OUCED ELECTRIC	FIELD
the specification of	which			
☐ is attached he	reto July 24, 2003 with a			
□ was filed on	•	reissue ap _l	olication number	
☐ and (if applica	ble) was amended on			_
by any amendment	referred to above.			, including the claims, as amended
	duty to disclose information which	•		
patent or inventor's other than the Uninventor's certificat	certificate, or §365(a) of any PC ited States, listed below and ha	T Internation	onal application whi lentified below any	(b) of any foreign application(s) for ich designated at least one country y foreign application for patent or e that of the application on which
Application No.	Country		Month/Year	Priority Claimed
5-019193 5-019217	JAPAN		ANUARY 1993	YES
5-092511	JAPAN JAPAN		ANUARY 1993 IARCH 1993	YES YES
 We (I) hereby claim	the benefit under 35 USC §119(
	Application Number			g Date
			•	
International applications of this applications of the application	ation designating the United Stat cation is not disclosed in the prio t paragraph of 35 USC §112, I a	es, listed b or United S cknowledg	elow and, insofar a States or PCT Inter e the duty to disclo	oplication(s), or §365I of any PCT as the subject matter of each of the mational application in the manner use information which is material to no date of the prior application and

the national or PCT International filing date of this application.

Application Serial No.

Filing Date

09/252,002

FEBRUARY 18, 1999

Patented

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all that apply)
□ by reason of a defective specification or drawing.
by reason of the patentee claiming more or less than he had the right to claim in the patent.

□ by reason of other errors.At least one error upon which reissue is based is described as follows:

Failure to claim a spiral antenna having elongated members.

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected herewith:



Correspondence Address: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. 1940 Duke Street Alexandria, Virginia 22314.

Telephone: (703) 413-3000

Facsimile: (703) 413-2220

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full Name of sole or first inventor (given name, family name)			
Nobuo Ishii			
Signature Robio Ashir	Date August 25, 2003		
Residence Nakakoma-gun, Japan	Citizenship Japan		
Post Office Address c/o Intellectual Property Dep Minato-ku. Tokyo 107-8481, Ja Full Name of second joint inventor (given name, family name) Jiro Hata	t., TOKYO ELECTRON LIMITED, 3-6 Akasaka 5-chom pan		
Signature O S	Date August 25, 2003		
Residence	Citizenship		
Nakakoma-gun, Japan	Japan		
Post Office Address C/O Intellectual Property Dep Minato-ku, Tokyo 107-8481, Ja Full Name of third joint inventor (given name, family name)	t., TOKYO ELECTRON LIMITED, 3-6 Akasaka 5-chom pan		
Signature	Date		
Residence	Citizenship		
Post Office Address			
☐ Additional joint inventors are named on separately r	numbered sheets attached hereto.		
:\ATTY\MM\AMENDMENT\236664HS RE\236664 DECLARATION BY THE INIVENI	TOP DOC		

PTO/SB/53 (05-03) Approved for use through 01/31/2004, OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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EISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT

Docket Number (Optional) 236664US2RE

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)

Nobuo Ishii and Jiro Hata

Patent Number 6,265,031 B1

Date Patent Issued July 24, 2001

Title of Invention

Method for Plasma Processing by Shaping an Induced Electric Field

- 1. Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)
- 2. Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee(s) owning an undivided interest in said original patent is/are Tokyo Electron Limited, Tokyo, and the assignee(s) consents to the accompanying application for reissue.

Name of assignee/inventor (if not assigned)

TOKYO ELECTRON LIMITED

Signature

Date

May 10, 2004

Typed or printed name and title of person signing for assignee (if assigned)

Hiroshi Ishida

Director, Intellectual Property Dept.

EXTTYMMAMENDMENT 236664US, RE 236664, CONSENT OF ASSIGNEE, DOC

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Pertent and Trademark Office, U.S. Depertment of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OF COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

(N	STATEMEN	IT UNDER 37 CFR 3.73(b)
. Applicant/Patent	Tokyo Electron Limite	ed
		Filed/Issue Date: July 24, 2001
		B BY SHAPING AN INDUCED ELECTRIC FILED
	ON LIMITED	, a CORPORATION
	(Name of Assignee)	(Type of Assignce, e.g., corporation, partnership, government agency, etc.)
States that it is:	•••	
2. 🗌 an assign	nee of the entire right, title, and intel nee of less than the entire right, title	and interest.
	nt (by, percentage) of its ownership	
	ication/patent Identified above by vir	
recorded	nment from the inventor(s) of the pat in the United States Patent and Tra- attached.	tent application/patent Identified above. The assignment was demark Office at Reel <u>6939</u> , Frame <u>0878</u> , or for which a copy
OR	•	
B. A chain of assignee	f title from the inventor(s), of the pat as shown below:	ent application/patent identified above, to the current
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The undersigned (whose title is supplied below) is auti	horlzed to act on behalf of the assignee.
May 10,	2004	Hiroshi Ishida
	Date	Typed or printed name
		2 (Oslindos)
		Director,
		Intellectual Property Dept.
		Title

EHK/MEM/kkn I:\atty\Mm\amendment\236664US.RE\236664.Statement under cfr3.73.doc

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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office
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Washington, D.C. 20231

DATE: 05/02/94

TO:

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MARVIN J. SPIVAK
OBLON, SPIVAK, MCCLELLAND, MAIER
& NEUSTADT, P.C., ATTORNEYS AT LAW
1755 JEFFERSON DAVIS HIGHWAY, 4TH FLOOR
ARLINGTON, VIRGINIA 22202

2312-252-2

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ssignor:

HATA, JIRO

DOC DATE: 01/06/94

DOC DATE: 01/06/94

ECORDATION DATE: 01/12/94 NUMBER OF PAGES 003 REEL/FRAME 6939/0878

IGEST: ASSIGNMENT OF ASSIGNORS INTEREST

SSIGNEE:

TOKYO ELECTRON LIMITED 2-3-1, NISHI-SHINJUKU, SHINJUKU-KU TOKYO, JAPAN

ERIAL NUMBER

8-180281

FILING DATE 01/12/94

ATENT NUMBER

ISSUE DATE 00/00/00

EXAMINER/PARALEGAL ASSIGNMENT BRANCH

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OBJOH, SHVAN, MUCLELLAND MAIER & NEUSTADT, P.C.

OF COMERCE Trademark Office RECORDATION FORM COVER SHI PATENTS ONLY 2312-282-2 3 Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) of conveying party(ies): ISHII, Nobuo and HATA, Jiro Name: Tokyo Electron Limited Additional name(s) of conveying party(ies) attached?

Yes
No 3. Nature of Conveyance: 2-3-1, Nishi-Shinjuku, Shinjuku-ku, Tokyo, Japan ☐ Merger Assignment MAY 2 1 2004 ☐ Change of Name ☐ Security Agreement Other . REEL 6 9 3 9 FRANCE 8 Additional name(s) & address(es) attached? Yes No Execution Date: January 6, 1994 4) Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: January 6, 1994 B. Patent No.(s) A. Patent Application No.(8) Additional numbers attached?

Yes No (6.) Total number of applications and patents involved: 5.; Name and address of party to whom correspondence concerning document should be mailed: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. (7.) Total fee (37 CFR 3.41):.....\$ 40.00 ■ Enclosed Attorneys at Law Fourth Floor D Authorized to be charged to deposit account 1755 Jefferson Davis Highway Arlington, Virginia 22202 15-0030 (8.) Deposit account number: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the eriginal document. Marvin J. Spivak Signature Name of Person Signing Total number of pages including cover sheet: Registration No. 24,913

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SOLE/JOINT (SP 7HT-93S0894)

ASSIGNMENT

In consideration of value received, I, having a post office address at c/o OPERATIONAL HEAD OFFICE, TOKYO ELECTRON LIMITED, Fuchu NH Bldg. 2-30-7 Sumiyoshi-cho, Fuchu Tokyo 183, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

PLASMA PROCESSING APPARATUS

said application having been filed on
No. ;
sell and assign to
TOKYO ELECTRON LIMITED
a corporation of Japan, having a business address at

and assigned Serial

2-3-1, Nishi-Shinjuku, Shinjuku-ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entright, title and interest in and to said invention as disclosed, shown and described in said application for United States patent

(check one)

- X executed concurrently herewith;
- executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202

Inventor: (Signature)	Date	Residence_
A Nopus Ishir	JAN 6. 1994	Nakakoma-gun, Yamanashi-ken, Japan
Nobuo ISHII B Jiro HATA	JAN 6. 1994	Nakakoma-gun, Yamanashi-ken, Japan
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